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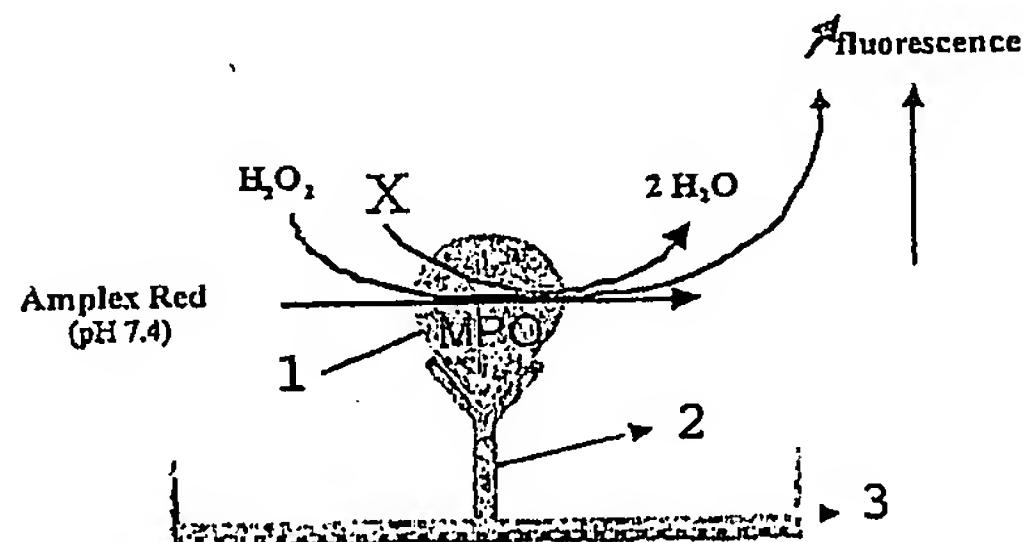
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(54) Title: METHOD AND KIT FOR THE MEASUREMENT OF NEUTROPHIL CELL ACTIVATION

X: fluorescence
enhancer



(57) Abstract: The present invention is related to
accurate detection methods for the measurement only
of myeloperoxidase (MPO) levels of neutrophils,
preferably equine neutrophils, in complex biological
samples. The present invention is further related
to ELISA and SIEFED assays for such detection.
SIEFED detection sensitivity of active peroxidase
activity was found to be enhanced by the addition
of nitrite. Such MPO measurement finds its use in
many applications such as the prediction, diagnosis
and/or monitoring of pathologies correlated with
neutrophil activation and/or destruction; the
evaluation of drugs and/or immunomodulators;
the assessment of immune responses, either natural

and/or after treatment with immunomodulators and/or drugs; and the study of cells and their ability to fight microorganisms and/or
to destroy them.

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